



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office

Address: COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
---------------	-------------	-----------------------	---------------------

08/102,531 08/04/93 HAGENBUCH

L 58448

ZANELLI, M EXAMINER

23M1/1022

JOHN B. CONKLIN  
LEYDIG, VOIT & MAYER  
TWO PRUDENTIAL PLAZA, SUITE 4900  
180 NORTH STETSON  
CHICAGO, IL 60601-6780

ART UNIT	PAPER NUMBER
----------	--------------

2304

37/I

DATE MAILED: 10/22/93

*Supplemental*  
NOTICE OF ALLOWABILITY

PART I.

- ☒ This communication is responsive to applicant's communication filed on 10/4/93.
- ☒ All the claims being allowable, PROSECUTION ON THE MERITS IS ~~(OR REMAINS)~~ CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
- ☒ The allowed claims are 1-4, 6-15, 18, 24, 27-29, 33, 35-51 (renumbered as 1-37)
- ☐ The drawings filed on \_\_\_\_\_ are acceptable.
- ☐ Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has ☐ been received. ☐ not been received. ☐ been filed in parent application Serial No. \_\_\_\_\_, filed on \_\_\_\_\_.
- ☒ Note the attached Examiner's Amendment.
- ☐ Note the attached Examiner Interview Summary Record, PTOL-413.
- ☐ Note the attached Examiner's Statement of Reasons for Allowance.
- ☐ Note the attached NOTICE OF REFERENCES CITED, PTO-892.
- ☐ Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

- ☐ Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
- ☒ APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
  - ☐ Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. \_\_\_\_\_. CORRECTION IS REQUIRED.
  - ☒ The proposed drawing correction filed on 12/28/90 has been approved by the examiner. CORRECTION IS REQUIRED.
  - ☐ Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
  - ☒ Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

Attachments:

- ☒ Examiner's Amendment
- ☐ Examiner Interview Summary Record, PTOL-413
- ☐ Reasons for Allowance
- ☐ Notice of References Cited, PTO-892
- ☐ Information Disclosure Citation, PTO-1449

- ☐ Notice of Informal Application, PTO-152
- ☐ Notice re Patent Drawings, PTO-948
- ☐ Listing of Bonded Draftsmen
- ☐ Other

*mjz*  
MICHAEL ZANELLI  
PATENT EXAMINER  
ART UNIT 234

*Thomas G. Black*  
THOMAS G. BLACK  
SUPERVISORY PATENT EXAMINER  
GROUP 2300

Art Unit: 2304

### Part III EXAMINER'S AMENDMENT

1. An Examiner's Amendment to the record appears below. The changes bring the specification into compliance with 37 CFR § 1.78(a). Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R. § 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

2. The application has been amended as follows:

Page 1, ~~deleted lines 1-5 and Inserts C<sup>1</sup> and F<sup>1</sup>~~; inserted therefor

--This application is a Continuation of S.N. 07/964126, filed October 20, 1992, now abandoned, which is a Continuation of S.N. 07/351179, filed May 12, 1989, now abandoned, which is a Continuation-In-Part of S.N. 06/604739, filed April 27, 1984, now U.S. Patent 4,630,227, which is a Continuation-In-Part of S.N. 06/717042, filed April 1, 1985, now U.S. Patent 4,839,835, which is a Continuation-In-Part of S.N. 06/874273, filed June 13, 1986, now U.S. Patent 4,831,539, which is a Continuation-In-Part of S.N. 06/910648, filed September 23, 1986, now U.S. Patent 4,845,648.--

3. The status of the allowed application remains unchanged since the amendment is directed to formal matters not affecting the scope of the claims.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Michael Zanelli** whose telephone number is (703) 305-9756.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 305-3800.

Fax communications can be received at (703) 305-9564,9565. It is suggested that examiner be informed prior to transmission.

/mjz  
10/21/93

*mjz*  
**MICHAEL ZANELLI**  
**PATENT EXAMINER**  
**ART UNIT 234**

*Thomas G. Black*  
**THOMAS G. BLACK**  
**SUPERVISORY PATENT EXAMINER**  
**GROUP 2300**